

| | Biomedicoengineering | | The Total-Body Positron Emission Tomography Scanner Will Enable Scotland Unlock Better Images of Diseases | |



Il Sunday: October 08: 2023 Il α . Scotland is set to receive its first total-body scanner in a boost to clinical research, that aims to improve the detection, diagnosis and treatment of complex, multi-organ diseases. The Total-Body Positron Emission Tomography:PET facility, due to be operational in 2024, will capture whole-body images of patients in more detail and use less radiation than existing scanners.

In combination with data from the other new scanner in London, the Scotland scanner forms part of a new National PET Imaging Platform:NPIP, which, experts believe, will accelerate the development of new drugs and diagnostics. The platform, a partnership between Medicines Discovery Catapult:MDC, the Medical Research Council:MRC and Innovate UK, aims to advance

healthcare research and clinical trials and unlock new treatments for complex diseases like cancer, as well as, cardiovascular and neurological diseases.

The NPIP Scotland Total-Body PET facility will allow academics to connect to the new platform to share data and collaborate on research. The scanners are part of a £32 million investment into the ground-breaking technology by the UK Government, through the UK Research and Innovation:UKRI Infrastructure Fund.

The facility will be jointly managed by the University of Glasgow and the University of Edinburgh and will be based at the Royal Infirmary in Edinburgh. The University of Glasgow academics, involved in the NPIP Scotland Total-Body PET facility, are led by Dr David Lewis from the College of Medical, Veterinary and Life Sciences and, also, include Professor Andrew Sutherland from the College of Science and Engineering, as well as, CRUK-funded scientists at the Scotland Institute.

NPIP's Total-Body PET scanners have higher sensitivity than current technology and will reveal new insights into biology and disease. PET scanning is a non-invasive imaging technique, that can detect early on-set of diseases. Current PET technology leaves large sections of the human body out of the field of view, requiring the patient to be repositioned multiple times to achieve a full-body view.

Supplied by Siemens Healthineers, the two Total-Body PET scanners will capture superior images of a patient's entire body in near real-time. The new scanners are faster, exposing patients to much lower doses of radiation, meaning more patients, including children, can participate in clinical trials to improve understanding of diseases.

The speed of Total-Body PET scanners mean that NPIP will be able to facilitate more patient scans, enhancing the scale and impact of clinical research projects. This richer picture of human health will help researchers to develop new diagnostics, improve the quality and speed of drug discovery and bring them to market quicker to benefit patients.

NPIP's network of infrastructure and intelligence will provide a complete picture of patients and how they respond to new drugs and treatments. Uniquely, it will, also, connect insights from many research programmes and trials. In doing so, it will begin to build a rich bank of data that the PET community can access for the benefit of patients.

Dr David Lewis, University of Glasgow, the Co-Director of the NPIP Scotland Centre, said, "Total-Body PET scanners are a quantum leap forward in the technology of body scanning and we are proud that a partnership between the University of Edinburgh and the University of Glasgow will

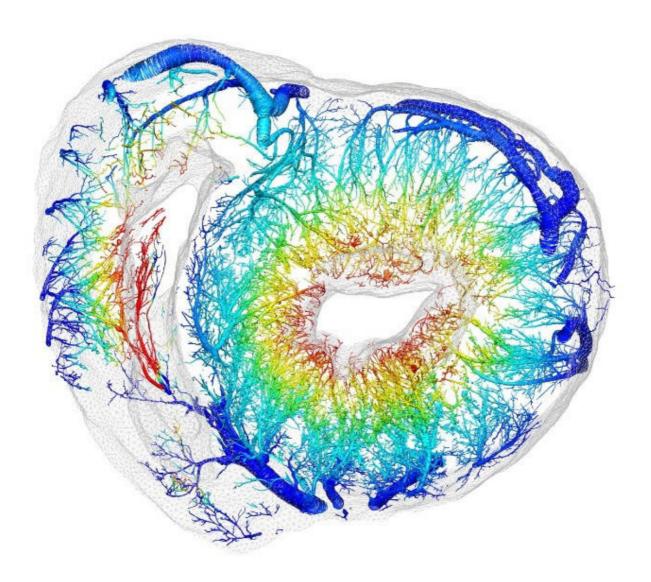
jointly manage one of the first of these cutting-edge scanners in the UK. The Scotland Total-Body PET scanner will be a catalyst for innovative new research and cross-sector collaboration, ultimately benefitting patients by improving our understanding of complex diseases."

Professor David Newby, the University of Edinburgh, the Co-Director of the NPIP Scotland Centre, said, "The Scotland Total-Body PET facility will bring together academics, industry and clinicians to create an integrated and accessible national PET facility for the benefit of patients across Scotland and the north of England. The Total-Body PET scanner will allow us to examine patients in ways that haven't been possible before, propelling medical innovation and discovery and, ultimately, improving the detection, diagnosis and treatment of complex diseases, including cancer."

Dr Juliana Maynard, the Director of Operations and Engagement for the National PET Imaging Platform and the Head of Translational Imaging at Medicines Discovery Catapult, said, "PET scanning is nothing short of transformational for patients, who need it the most. Total-Body PET scanners can detect serious diseases with unprecedented speed and accuracy. NPIP will allow the kind of collaboration in imaging research the likes of which the UK has never seen before. It means that, collectively, we can power forward drug discovery with renewed confidence and drive world-leading capabilities in detection, diagnosis, and treatment." ::::ω:::::

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Humanics: All-For-One-One-For-All



| Selfishness Is the Most Definitive Way to, Absolutely, Harm One's Very Own Self, As Well As, Everyone and Everything Else: In Other Words, Selfishness Is Nothing But Absolute, Complete and Comprehensive Absence of Questioning or Thoughtfulness or Consideration, Which Makes Us Think and That, Thus, Enables Us to Reach the Rational Base and Foundation in Life and in Existence: This Means That Selfishness, Actually, Is a Terminal Enemy of the Agency of the Human Mind, Which It Keeps on Tearing Away and Apart by Being Devoid of Questioning and Thoughtfulness Because the Very Agency of the Human Mind Is a 'Structure', Created by the Architectonics of the Architecture of Human Rationality, Which Requires a Human Agency of the Human Mind to Put It to Use by Thinking, Questioning, Consideration, Analysing, Learning and Developing, All of Which Selfishness Terminates: Humanics: Humanics: All-For-One-One-For-All

The Image Caption: The Heart: Shortlisted In The BHF Reflections Of Research Competition 2016: Image: Simone Rivolo



The Humanics Elleesium Declaration 2019: The Humanicsxian Manifesto: Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019: The Manifesto can be read at https://thehumanics.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto. Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019 https://thehumanion.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto. httm:::

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| | The Larin Paraske Maxim Or Oath: To Do No Harm to Anyone Or Anything | |



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Humanicsxian Economics





What Is Humanicsxian Economics

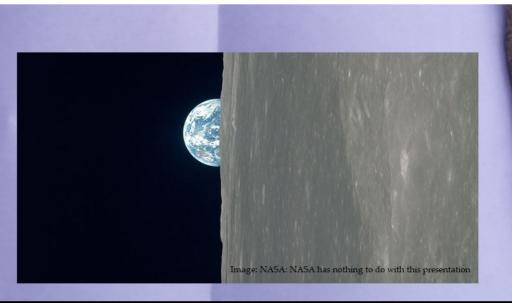
Say: I Carry the Infinities of Making All Beings Happy:

Say: I Commit to Organise the Largest Feast For All Humanity Where Each and Every Human Soul Sit at the Same Table of Liberty and Equality to Eat and Drink From the Bounties of This Mother Earth and of the Human Works and Labours:

Say: I Commit to An Economics That Is Clean Green Circular and Sustainable:

Say: I Commit to an Economics That Does No Harm to Anyone or Anything:

Say: I Commit to Establish an Economics That Is Founded on Moral Science So That Humanity Is Let to Be and Do Nothing But Humanity Naturale: Being and Doing an Infinity of Goodness Righteousness and Universal Harmony of Peace Unfolding Itself In By and With Social Morality of Civic Societies



And Further Say: I Commit to Found an Economics That Empowers the Entire Humanion With the Highest Degree of Education Continual and Life-Long Learning Development and Progression: Say: And Sovereignty Shall Be Returned to All Humanity Through the Direct Involvement Engagement and Participation of All Human Individual Beings Through Humanicsovics the Public Affairs Management System Run By All Citizens Working Together Without Political Parties: That Is a Human Enterprise in Humanicsovics Where Ownership Money and Their Powers and Prowess Have Been Eradicated and Replaced by Belongingship and That is Humanicsxian Economics: And Say: I Commit to Exist In By and With the High-Humanical Maxim: All-For-One and One-For-All: This Is Humanicxian Economics: This Is Why Regine Humanics Foundation Ltd and Regine Group of Publications Exist to Work and Take Forward The Philosophy Political Philosophy Political Economics and the Vision of Humanics to the Wider World and Wider Humanity For a Better Human Condition For All Humanity Across Mother Earth: One Humanity As One Humanion on One Mother Earth on One Sunnara on One Home Bay Milky Way Galaxy on One Universana: Humanity: We Are One: An Infinity Unfolding Itself: Thursday: June 25: 2020

Humanicsxian Economics in Two Phases of Humanics Pre-Humanical Phase: Kapitalawnomics

Pre-Humanical Phase: Kapitalawnomics: Capitalism Is Brought Under the Sovereignty of the People and Re-architectured to Serve the People Under the Power and Prowess of the Rule of Law at All Times and Used to Develop Everything Towards Humanical Societies || At This Phase These Shall Become Reality: Right to Universal Natural Air || Right to Universal Natural Environment || Right to Universal Degree-Level Education || Right to Universal Balanced and Nutritional Food and Drink || Right to Universal Employment || Right to Universal Income || Right to Universal Home || Right to Universal Health || Right to Universal Social Care || For All Humanity Across the Earth Equate to Building-Block Foundational Human Rights: And the Entire Humanity Joining Together As All Individuals In a Humanion, Forming the First All-Humanity Sovereignty-Naturale Habitat-Body on Earth and on This Universe as the First Ever International and Universal All-Humanity State and Government for the Whole World as One Body With Its Legislature Executive Judiciary Financial-Judiciary Rule of Law Civic Service Compact and Its Own Central Bank and Its Own Currency That Is the New International Currency || This Phase Is Done Through and by Working Humanity Organising As Political Forces and Parties.

Humanical Phase

Human Enterprise: Ownership Money and Their Powers and Prowess Are Eliminated and Replaced by Belongingship Whereby Humanity Reach Liberty and Equality and All Human Economics Endeavours Are Organised and Run Under Human Enterprise and the Whole Public Affairs Management Is Run and Conducted by Humanicsovics Whereby All Individual Humanity Work Together As Organised People Parliaments As Their Own High-Representatives: This Is Humanicsovics | | This Is What the World's Working and Non-Working Humanity on Poverty-Wage on Punishment-Social-Security on Destitution-Abandonment-No-Security and the Powerless and Homeless Humanity Must Rise to Fight For and Reject All Plastering Tinker-Works by Any Political Forces: This Is Why It Is Time to Rise As One and Unite and Organise to Begin Again: Where Are the Younger Generations: Because If We Humanity Have Any Future It Is In Your Hands Hearts Minds Souls Eyes and Vision: Believe: Humanity Naturale Is an Infinity Unfolding Itself and In Being and Doing Such Humanity Naturale We All Exist by the High-Humanical Maxim: All-For-One and One-For-All and With This Humanical Societies Appear All Across the Earth and They All Form a Grid of a Humanical Civilisation, Led and Run by All Humanity Working Together at the Highest of All Bodies: The International and Universal State and Government of the Entire Humanion

What Are Building-Block Foundational Human Rights



Ask Your Political Leaders About Building-Block Foundational Human Rights and Ask Them About Humanics

The Building-Block Foundational Human Rights

A: Absolute Right to Live in Clean, Healthy, Safe and Natural Environment

B: Absolute Right to Breathe Natural, Fresh, Clean and Safe Air

C: Absolute Right to Necessary Nutritional Balanced Food and Drink

D: Absolute Right to Free Medical Care at the Point of Need

E: Absolute Right to an Absolute Home

F: Absolute Right to Free Degree-Level Education and Life Long Learning

G: Absolute Right to Guaranteed Social Care

H: Absolute Right to a Universal Income

I: Absolute Right to a Job

J: Absolute Right to Dignified Civic and Human Funeral Paid Through by Universal Income

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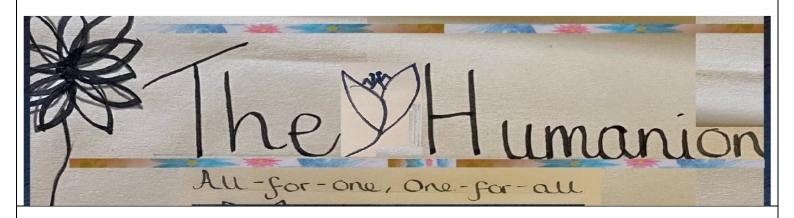
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Killing Mechanism Capitalism IS Unsustainable: The World Shall Change One Day and Every Change Begins with an Idea, with a Vision:

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